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Group Art Unit: 3724
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IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving element including an upper wall and a lower wall that define [defining] a cavity therebetween for receiving a portion of the blanking tool insert therein, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a clamp piece connectable to the outer frame and defining a vertically extending inner face, an opposite vertically extending outer face engageable with the outer frame, and a bore extending between the inner face and the outer face; and

a jaw element operatively connected to the clamp piece so as to define a clamping cavity between the jaw element and the outer face of the clamp piece, the jaw element being movable between a clamping position for retaining the leg [a portion] of the insert receiving element in the clamping cavity and a release position.

2. (Original) The rail assembly of claim 1 wherein the jaw element includes a first clamping surface engageable with the insert receiving element when the jaw element is in the clamping position.

3. (Original) The rail assembly of claim 2 wherein the jaw element includes a second clamping surface engageable with the clamp piece when the jaw element is the clamping position.

4. (Original) The rail assembly of claim 3 wherein the second clamping surface of the jaw element is generally arcuate and includes an apex.

5. (Original) The rail assembly of claim 2 wherein the first clamping surface of the jaw element is generally arcuate and includes an apex.

6. (Original) The rail assembly of claim 1 further comprising a screw member for moving the jaw element between the clamping and release positions.

7. (Original) The rail assembly of claim 1 wherein the bore through the clamp piece extends along an axis at an acute angle to the outer face.

8. (Original) The rail assembly of claim 7 wherein the acute angle is in the range of 30° and 80°.

9. (Original) The rail assembly of claim 7 wherein the acute angle is approximately 65°.

Claim 10 (Cancelled).

11. (Original) The rail assembly of claim 1 further comprising a fastening element extending through the bore through the clamp piece and receivable in a corresponding slot in the outer frame to interconnect the clamp piece to the outer frame.

Claims 12-13 (Cancelled).

14. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving structure element including an upper wall and a lower wall that define a cavity therebetween for receiving a portion of the blanking tool insert, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a plate member defining inner and outer faces and including a bore extending between the inner face and the outer face along an axis at an acute angle to the outer face and wherein the acute angle is in the range of 30° and 80°; and

a clamping structure operatively connected to the plate member and being movable between a clamping position for rigidly retaining the mounting leg [a portion] of the insert receiving structure against the plate member and a release position.

Claim 15 (Cancelled).

16. (Original) The rail assembly of claim 14 wherein clamping structure includes a jaw element having:

a first clamping surface engageable with the insert receiving structure with the clamping structure in the clamping position; and

a second clamping surface engageable with the plate member with the clamping structure in the clamping position.

17. (Original) The rail assembly of claim 16 wherein the first and second clamping surfaces of the jaw element are generally arcuate and include apexes.

18. (Original) The rail assembly of claim 14 further comprising a screw member for moving the clamping structure between the clamping and release positions.

Claim 19 (Cancelled).

20. (Previously Presented) The rail assembly of claim 14 wherein the acute angle is approximately 65°.

Claim 21 (Cancelled).

22. (Withdrawn) A frame assembly for a lower blanking tool of a carton die cutting machine, comprising:

- a rigid outer frame having a slot therein;

- a blanking tool insert receivable on the outer frame; and

- a rail assembly for interconnecting the blanking tool insert to the outer frame, the rail assembly including:

- an elongated support for receiving a portion of the blanking tool insert;

- a plate member defining inner and outer faces and a bore extending between the inner face and the outer face along an axis at an acute angle to the outer face;

- a clamping structure operatively connected to the plate member and being movable between a clamping position for rigidly retaining a portion of the elongated support against the plate member and a release position; and

- a fastening element extending through the bore in the plate member and receivable in the slot in the outer frame to interconnect the plate member to the outer frame.

23. (Withdrawn) The frame assembly of claim 22 wherein the acute angle is in the range of 30° and 80°.

24. (Withdrawn) The frame assembly of claim 22 wherein the acute angle is approximately 65°.

25. (Withdrawn) The frame assembly of claim 22 wherein the inner face of the plate member defines a recessed slot therein and wherein the rail member support further comprises a jogger slidably disposed in the recessed slot in the inner face of the plate member.

26. (Withdrawn) The frame assembly of claim 25 wherein clamping structure includes a jaw element having:

a first clamping surface engageable with the elongated support when the clamping structure is the clamping position; and

a second clamping surface engageable with the plate member when the clamping structure is in the clamping position.

27. (Withdrawn) The frame assembly of claim 26 wherein the first and second clamping surfaces of the jaw element are generally arcuate and include apexes.

28. (Withdrawn) The rail assembly of claim 22 wherein the plate member includes an upper surface interconnecting the inner and outer faces, the upper surface of the plate member including a pin-receiving depression therein for receiving a pin extending through the blanking tool insert.

29. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving element including an upper wall and a lower wall that define [defining] a cavity therebetween for receiving a portion of the blanking tool insert therein, the

elongated insert receiving element further including a mounting leg depending from the lower wall;

a clamp piece connectable to the outer frame and defining a vertically extending inner face, an opposite vertically extending outer face, and a bore extending between the inner face and the outer face, the outer face of the clamp piece including a lip engageable with a corresponding ledge along the outer frame to support the clamp piece thereon; and

a jaw element operatively connected to the clamp piece so as to define a clamping cavity therebetween, the jaw element being movable between a clamping position for retaining the mounting leg [a portion] of the insert receiving element in the clamping cavity and a release position.

30. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving element including an upper wall and a lower wall that define [defining] a cavity therebetween for receiving a portion of the blanking tool insert therein, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a clamp piece connectable to the outer frame and defining a vertically extending inner face, an opposite vertically extending outer face, and a bore extending between the inner face and the outer face, the inner face of the clamp piece defining a recessed slot therein;

a jaw element operatively connected to the clamp piece so as to define a clamping cavity therebetween, the jaw element being movable between a clamping position for retaining the mounting leg [a portion] of the insert receiving element in the clamping cavity and a release position; and

a jogger slidably disposed in the recessed slot in the inner face of the clamp piece.

31. (Currently Amended) A rail assembly for supporting a blanking tool insert on an

outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving structure element including an upper wall and a lower wall that define a cavity therebetween for receiving a portion of a [the] blanking tool insert, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a clamp piece connectable to the outer frame and defining a vertically extending inner face, an opposite vertically extending outer face, and a bore extending between the inner face and the outer face, the inner face of the clamp piece defining a recessed slot therein;

a jaw element operatively connected to the clamp piece so as to define a clamping cavity therebetween, the jaw element being movable between a clamping position for retaining the mounting leg [a portion] of the insert receiving element in the clamping cavity and a release position; and

wherein the clamp piece includes an upper surface interconnecting the inner and outer faces, the upper surface of the clamp piece including a pin-receiving depression therein for receiving a pin extending through the blanking tool insert.

32. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving element including an upper wall and a lower wall that define [defining] a cavity therebetween for receiving a portion of the blanking tool insert therein, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a plate member defining inner and outer faces, the inner face of the plate member defining a recessed slot therein;

a clamping structure operatively connected to the plate member and being movable between a clamping position for rigidly retaining the mounting leg [a portion] of the insert receiving structure against the plate member and a release position; and
a jogger slidably disposed in the recessed slot in the inner face of the plate member.

33. (Currently Amended) A rail assembly for supporting a blanking tool insert on an outer frame for a lower blanking tool of a carton die cutting machine, comprising:

an elongated insert receiving element including an upper wall and a lower wall that define [defining] a cavity therebetween for receiving a portion of the blanking tool insert therein, the elongated insert receiving element further including a mounting leg depending from the lower wall;

a plate member defining inner and outer faces, the outer face of the plate member including a lip engageable with a corresponding ledge along the outer face to support the plate member thereon; and

a clamping structure operatively connected to the plate member and being movable between a clamping position for rigidly retaining the mounting leg [a portion] of the insert receiving structure against the plate member and a release position.